

Home Based Primary Care (HBPC)
Deployment, Installation, Back-Out, and Rollback
Guide



August 2021

HBH*1.0*32

Department of Veterans Affairs

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Revision History

Date	Version	Description	Author
08/03/2021	1.0	HBH*1.0*32: <ul style="list-style-type: none">• Updated Table 7: Routines• AC approval received 07/16/2021• The unredacted version of this document is available in the SOFTWARE library for viewing REDACTED information	Liberty ITS

Artifact Rationale

This document describes the *Deployment, Installation, Back-out, and Rollback Guide* for new products going into the VA Enterprise. The guide includes information about system support, issue tracking, escalation processes, and roles and responsibilities involved in all those activities. Its purpose is to provide clients, stakeholders, and support personnel with a smooth transition to the new product or software, and should be structured appropriately, to reflect particulars of these procedures at a single or at multiple locations.

Per the Veteran-focused Integrated Process (VIP) Guide, the *Deployment, Installation, Back-out, and Rollback Guide* is required to be completed prior to Critical Decision Point #2 (CD #2), with the expectation that it will be updated throughout the lifecycle of the project for each build, as needed.

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1 Introduction

This document describes how to deploy and install HBH*1.0*32 as well as how to back-out the product and rollback to a previous version or data set.

1.1 Purpose

The purpose of this guide is to provide a single, common document that describes how, when, where, and to whom HBH*1.0*32 will be deployed and installed, as well as how it is to be backed out and rolled back, if necessary. The guide also identifies resources, communications plan, and rollout schedule. Specific instructions for installation, back-out, and rollback are included in this document.

1.2 Dependencies

This patch must be installed after HBH*1.0*25 and HBH*1.0*27.

1.3 Constraints

HBH*1.0*32 and the associated MUMPS patch are expected to be installed on existing Vista platforms. The hardware may reside at local or regional data centers. HBH*1.0*32 utilizes existing nationally released security controls to control access.

2 Roles and Responsibilities

Multiple entities oversee decision making for the deployment, installation, back-out and rollback of HBH*1.0*32. Application Coordinators approve deployment and install from an OIT perspective. If an issue with the software arises, then the facility Chief Information Officer (CIO) and other site leadership will meet along with input from Patient Safety, Health Product Support (HPS), and regional leadership to initiate a back out and rollback decision of the software. The following table provides HBH*1.0*32 information.

Table 1: Deployment, Installation, Back-out, and Rollback Roles and Responsibilities

Team	Phase / Role	Tasks
Site personnel in conjunction with information technology (IT) support – which may be local or regional.	Deployment	Plan and schedule deployment (including orchestration with vendors)
Site personnel in conjunction with IT support – which may be local or regional.	Deployment	Determine and document the roles and responsibilities of those involved in the deployment.
Site personnel.	Deployment	Test for operational readiness
Site personnel in conjunction with IT support – which may be local or regional. The IT support will need to include person(s) to install the Kernel Installation and Distribution System (KIDS) build.	Deployment	Execute deployment
Site personnel in conjunction with IT support – which may be local or regional. The IT support will need to include person(s) to install the KIDS.	Installation	Plan and schedule installation
N/A – will work under the VistA authority to operate (ATO) and security protocols.	Installation	Ensure that ATO and certificate authority security documentation is in place
N/A – no equipment is being added.	Installation	Validate through facility point of contact (POC) to ensure that IT equipment has been accepted using asset inventory processes
N/A – no new functionality is being introduced.	Installations	Coordinate training
Facility CIO and IT support – which may be local or regional.	Back-out	Confirm availability of back-out instructions and back-out strategy (what are the criteria that trigger a back-out)

Team	Phase / Role	Tasks
Hardware and System support – no changes. Software support will be the HPS Clinical Sustainment team.	Post Deployment	Hardware, Software and System Support

3 Deployment

The deployment is planned as a standard VistA National Patch Module patch rollout. Once approval has been given to nationally release HBH*1.0*32, the patch will be released via the National Patch Module. At this point, it will be available for installation and deployment at all sites from the SOFTWARE library referenced in the accompanying patch description.

Scheduling of test/mirror installs, testing, and deployment to production will be at the site's discretion. It is anticipated that there will be a 30-day compliance period.

3.1 Timeline

Patch installation should occur after the AITC transmission for the month of July has been completed.

3.2 Site Readiness Assessment

This section discusses the locations that will receive the HBH*1.0*32 deployment.

3.2.1 Deployment Topology (Targeted Architecture)

HBH*1.0*32 will be deployed to each VistA instance.

3.2.2 Site Information (Locations, Deployment Recipients)

The first deployment will be to initial operating capability (IOC) sites for verification of functionality. Once that testing is completed and approval is given for national release, HBH*1.0*32 will be deployed to all VistA systems.

The Production IOC testing sites are:

- Big Spring, Texas
- Buffalo, New York

3.2.3 Site Preparation

Sites have been instructed to perform two FileMan searches. These searches will determine the presence of the following two conditions:

1. If any providers are defined for more than one active HBHC provider number
2. If an active HBHC provider number is defined for more than one provider.

A visual inspection is needed to determine if either of the two conditions are present. If the FileMan searches have not yet been performed, they are listed below:

1. Search to determine if any provider is defined with more than one active HBPC provider number.

Note: Before inactivating one of the numbers, determine if these are different providers who have the same name.

Figure 1: Example search for providers with more than one active HBPC provider number

```

VA FileMan 22.2
Select OPTION: 3  SEARCH FILE ENTRIES
Output from what File: HBHC PROVIDER//      (66 entries)
  -A- SEARCH FOR HBHC PROVIDER FIELD: INACTIVE PROVIDER NUMBER
  -A- CONDITION: NULL
  -B- SEARCH FOR HBHC PROVIDER FIELD:
IF: A//      INACTIVE PROVIDER NUMBER NULL
STORE RESULTS OF SEARCH IN TEMPLATE:
Sort by: NUMBER// PROVIDER NAME
      Start with PROVIDER NAME: FIRST//
      Within PROVIDER NAME, Sort by:
First Print FIELD: PROVIDER NAME
Then Print FIELD: .01  NUMBER (be sure to enter .01 - not NUMBER)
Then Print FIELD:
Heading (S/C): HBHC PROVIDER Search  Replace
DEVICE:  HOME  (CRT)      Right Margin: 80//
      ...SORRY, JUST A MOMENT PLEASE...
HBHC PROVIDER Search                      APR 07, 2021@09:38      PAGE 1
PROVIDER NAME                          NUMBER
-----
PROVIDER,ONE                          174
PROVIDER,TWO                          101
PROVIDER,TWO                          1510

```

2. FileMan search to determine if active HBHC provider numbers are defined for more than one provider.

Figure 2: Example search for active provider numbers defined for more than one provider

```

Select OPTION: SEARCH FILE ENTRIES
Output from what File: HBHC
PROVIDER
  -A- SEARCH FOR HBHC PROVIDER FIELD: INACTIVE PROVIDER NUMBER
  -A- CONDITION: NULL
  -B- SEARCH FOR HBHC PROVIDER FIELD:
IF: A//      INACTIVE PROVIDER NUMBER NULL
STORE RESULTS OF SEARCH IN TEMPLATE:
Sort by: NUMBER// .01  NUMBER
Start with NUMBER: FIRST//
      Within NUMBER, Sort by:
First Print FIELD: .01  NUMBER
Then Print FIELD: PROVIDER NAME
Then Print FIELD:
Heading (S/C): HBHC PROVIDER Search  Replace
DEVICE:  HOME  (CRT)      Right Margin: 80//
HBHC PROVIDER Search                      JUN 02, 2021@15:35
PAGE 1
      NUMBER  PROVIDER NAME
-----
      101    PROVIVER,TWO
      101    PROVIDER,THREE

```

3.3 Resources

Not applicable for HBH*1.0*32.

3.3.1 Facility Specifics

The following table lists facility-specific features required for deployment.

Table 2: Facility-Specific Features

Site	Space/Room	Features Needed	Other
N/A			

3.3.2 Hardware

The following table describes hardware specifications required at each site prior to deployment.

Table 3: Hardware Specifications

Required Hardware	Model	Version	Configuration	Manufacturer	Other
N/A					

Please see the Roles and Responsibilities table in section 2 for details about who is responsible for preparing the site to meet these hardware specifications.

3.3.3 Software

The following table describes software specifications required at each site prior to deployment.

Table 4: Software Specifications

Required Software	Make	Version	Configuration	Manufacturer	Other
N/A					

Please see the Roles and Responsibilities table in section 2 above for details about who is responsible for preparing the site to meet these software specifications.

3.3.4 Communications

HBH*1.0*32 will be deployed using the standard method of patch release from the National Patch Module. When HBH*1.0*32 is released, the National Patch Module will send a notification to all the personnel who have subscribed to those notifications.

3.3.4.1 Deployment/Installation/Back-Out Checklist

Table 5: Deployment/Installation/Back-Out Checklist

Activity	Day	Time	Individual who completed task
Deploy	National Release	Any	Site Support Personnel
Install	National Release	Any	Site Support Personnel
Back-Out	Contingent	Any	Site Support Personnel

4 Installation

4.1 Pre-installation and System Requirements

All previously released HBPC patches must be installed on the VistA system before installing HBH*1.0*32.

4.2 Platform Installation and Preparation

HBH*1.0*32 must be installed on the VistA System. This patch must be installed by the compliance date.

Users of the Home Based Primary Care (formerly called HBHC) options should be off the system during patch installation. This patch may be installed with other users on the system although it is recommended that it be installed during non-peak hours to minimize potential disruption to users. This patch should take less than 5 minutes to install.

4.3 Download and Extract Files

This release includes documentation that can be obtained from the SOFTWARE library or Veterans Documentation Library (VDL).

SOFTWARE: <https://download.REDACTED/SOFTWARE>

VDL: <https://www.va.gov/vdl/application.asp?appid=68>

Table 6: Associated Patch Files

File	Description
HBH_1_0_P32_DIBR.pdf	Deployment, Installation, Back-out, and Rollback Guide
HBH_UM.pdf	User Manual
HBH_TM.pdf	Technical Manual

File	Description
HBH_SG.pdf	Security Guide
HBH_1_0_P32_RN.pdf	Release Notes

4.4 Database Creation

Not applicable for HBH*1.0*32.

4.5 Installation Scripts

Not applicable for HBH*1.0*32.

4.6 Cron Scripts

Not applicable for HBH*1.0*32.

4.7 Access Requirements and Skills Needed for the Installation

Installation of HBH*1.0*32 requires the following to install:

- Programmer access to VistA instance and ability to install the KIDS build.

4.8 Installation Procedure

4.8.1 KIDS Installation

Kids installation will take two to five minutes.

1. From the Kernel Installation and Distribution System Menu, select the Installation Menu.
From this menu,
 - A. Select the Verify Checksums in Transport Global option to confirm the integrity of the routines that are in the transport global. When prompted for the INSTALL NAME enter the patch or build name.
(ex. <XXX*X.X*XX> or XXXXX BUILD X.X)
Note: Using <spacebar><enter> will not bring up a Multi-Package build even if it was loaded immediately before this step. It will only bring up the last patch in the build.
 - B. Select the Backup a Transport Global option to create a backup message. You must use this option and specify what to backup; the entire Build or just Routines. The backup message can be used to restore the routines and components of the build to the pre-patch condition.
 - i. At the Installation option menu, select Backup a Transport Global

- ii. At the Select INSTALL NAME prompt, enter your build XXX*#.##*###
- iii. When prompted for the following, enter “R” for Routines or “B” for Build.

Select one of the following:

B Build

R Routines

Enter response: Build

- iv. When prompted “Do you wish to secure your build? NO//”, press <enter> and take the default response of “NO”.
- v. When prompted with, “Send mail to: Last name, First Name”, press <enter> to take default recipient. Add any additional recipients.
- vi. When prompted with “Select basket to send to: IN//”, press <enter> and take the default IN mailbox or select a different mailbox.
- vii. Repeat step ii for each build in the host file.

C. You may also elect to use the following options:

- i. Print Transport Global – This option will allow you to view the components of the KIDS build.
- ii. Compare Transport Global to Current System - This option will allow you to view all changes that will be made when this patch is installed. It compares all of the components of this patch, such as routines, DDs, templates, etc.

D. Select the Install Package(s) option and choose the patch to install.

- i. If prompted 'Want KIDS to Rebuild Menu Trees Upon Completion of Install? NO//', answer **NO**.
- ii. When prompted 'Want KIDS to INHIBIT LOGONs during the install? NO//', answer **NO**.
- iii. When prompted 'Want to DISABLE Scheduled Options, Menu Options, and Protocols? NO//', answer **NO**.

4.8.2 Client Installation

Not applicable for HBH*1.0*32.

4.9 Installation Verification Procedure

4.9.1 KIDS Verification

Verify the routine checksums in the table below.

Table 7: Routines

Routine	Before Checksum	After Checksum	Patch List
HBHC32EN	NEW	27815638	**32**
HBHCADM	27070975	41220209	**2,6,8,16,24,25,32**
HBHCDEM	1728176	11084332	**24,32**
HBHCEDSP	92472	14469400	**6,8,32**
HBHCFILE	36363460	39629465	**2,5,6,8,9,10,16,21,24,27,32**
HBHCPROV	NEW	238504601	**32**
HBHCRP2	30714112	30671664	**1,2,5,6,9,19,22,25,32**
HBHCRP5	25295403	25046729	**2,5,6,22,25,32**
HBHCRXMT	12007889	12497553	**2,6,32**
HBHCUTL1	27175218	37771382	**1,2,6,9,19,24,32**
HBHCXMA	42800884	42324417	**1,6,9,19,24,25,32**
HBHCXMD	26724390	26374319	**4,6,9,10,13,19,24,25,32**
HBHCXMM	18340144	24009300	**24,32**
HBHCXMT	18610987	19427326	**2,3,6,8,10,13,24,32**
HBHCXMV	20835749	24404656	**2,5,6,9,12,15,17,14,19,24,25,32**

HBHC PROVIDER (#631.4) file

```

631.4,.01      HBHC ID                      0;1 NUMBER (Required)

                HBHC PROVIDER IDENTIFIER
                INPUT TRANSFORM:  K:X<1!(X'?1.4N) X
                LAST EDITED:      MAY 01, 2021
                HELP-PROMPT:      Enter a number from 1 to 4 digits.
                DESCRIPTION:       This field represents a unique number
                                   Assigned to each HBPC (formerly called HBHC)
                                   provider.

                NOTES:             XXXX--CAN'T BE ALTERED EXCEPT BY PROGRAMMER

                CROSS-REFERENCE:   631.4^B
                                   1)= S ^HBHC(631.4,"B", $E(X,1,30),DA)=""
                                   2)= K ^HBHC(631.4,"B", $E(X,1,30),DA)
                                   This cross-reference represents a regular 'B'
                                   file index of the HBHC ID (#.01) field in the
                                   HBHC PROVIDER (#631.4) file.

631.4,1        PROVIDER NAME                0;2 POINTER TO NEW PERSON FILE (#200)
                                   (Required)

                LAST EDITED:      MAY 01, 2021
                HELP-PROMPT:      Answer with provider name. The provider must
                                   be pre-defined in the NEW PERSON (#200) file.
                DESCRIPTION:       This field represents the HBPC provider's

```

		name in the NEW PERSON (#200) file.
	NOTES:	XXXX--CAN'T BE ALTERED EXCEPT BY PROGRAMMER
	CROSS-REFERENCE:	631.4^C 1)= S ^HBHC (631.4,"C",\$E(X,1,30),DA)="" 2)= K ^HBHC (631.4,"C",\$E(X,1,30),DA) This cross-reference represents regular 'C' file index of HBHC Provider (631.4) file, Name (1) field, which references New Person (200) file entries.
631.4,2	DEGREE	0;3 FREE TEXT
	INPUT TRANSFORM:	K:\$L(X)>15!(\$L(X)<1) X
	LAST EDITED:	MAY 01, 2021
	HELP-PROMPT:	This field is no longer in use.
	DESCRIPTION:	This field is no longer in use after the install of HBH*1.0*32.
631.4,3	GRADE/STEP	0;4 FREE TEXT
	INPUT TRANSFORM:	K:\$L(X)>6!(\$L(X)<3)!'(X?1.3E1"/"1.2N) X
	LAST EDITED:	MAY 01, 2021
	HELP-PROMPT:	This field is no longer in use.
	DESCRIPTION:	This field is no longer in use after the install of HBH*1.0*32.
631.4,4	FTEE ON HBHC	0;5 NUMBER
	INPUT TRANSFORM:	K:+X'=X!(X>1)!(X<0)!(X?.E1"."3.N) X
	LAST EDITED:	MAY 01, 2021
	HELP-PROMPT:	This field is no longer in use.
	DESCRIPTION:	This field is no longer in use after the install of HBH*1.0*32.
631.4,5	HBHC TEAM	0;6 POINTER TO HBHC TEAM FILE (#633) (Required)
	LAST EDITED:	MAY 01, 2021
	HELP-PROMPT:	Answer with a team name that exists in the HBPC (also called HBHC) Team file. This field is required.
	DESCRIPTION:	This field represents which HBPC (also called HBHC) team includes this provider.
	TECHNICAL DESCR:	Entries in this field must be pre-defined in the HBHC TEAM (#633) file.
631.4,6	INACTIVE PROVIDER	NUMBER 0;7 SET
		'1' FOR Inactive Provider Number;
	LAST EDITED:	MAY 01, 2021
	HELP-PROMPT:	This field is no longer in use. Providers which were defined before the install of HBH*1.0*32 might have this field defined as "inactive".
	DESCRIPTION:	This field is no longer in use after the install of HBH*1.0*32. Providers which were defined before install might have this field set to "inactive".
	CROSS-REFERENCE:	631.4^AC

```

1)= S ^HBHC(631.4,"AC",$E(X,1,30),DA)=""
2)= K ^HBHC(631.4,"AC",$E(X,1,30),DA)
This cross-reference represents 'AC' file
Index of Inactive Provider Number (6) field,
in HBHC Provider (631.4) file.

```

PARENT SITE (#9) field in the HBHC SYSTEM PARAMETERS (#631.9) file

```

631.9,9      PARENT SITE      1;0 POINTER Multiple #631.99

LAST EDITED:    MAY 06, 2021
DESCRIPTION:    This field is used to enter all HBPC program
                facilities which might be assigned to a
                patient's care. Facilities must be pre-
                defined in the MEDICAL CENTER DIVISION
                (#40.8) file.

TECHNICAL DESCR: The PARENT SITE (#91) field in the HBHC
                PATIENT (#631) file is validated against
                entries in the PARENT SITE (#9) field of the
                HBHC SYSTEM PARAMETERS (#631.9) file.

631.99,.01    PARENT SITE      0;1 POINTER TO MEDICAL CENTER DIVISION
                FILE (#40.8) (Multiply asked) (audited)

LAST EDITED:    MAY 07, 2021
HELP-PROMPT:    Select an entry from the MEDICAL CENTER
                DIVISION (#40.8) file which might be
                associated to a patient's HBPC care.

DESCRIPTION:    Entries in this file are possible HBPC care
                facilities.

TECHNICAL DESCR: Entries in this field must be pre-defined
                In the MEDICAL CENTER DIVISION (#40.8)
                file.

AUDIT:          YES, ALWAYS
CROSS-REFERENCE: 631.99^B
                1)= S ^HBHC(631.9,DA(1),1,"B",$E(X,1,30)
                ,DA)=""
                2)= K ^HBHC(631.9,DA(1),1,"B",$E(X,1,30),DA)

```

PARENT SITE (#91) field in the HBHC PATIENT (#631) file

```

631,91      PARENT SITE      5;1 POINTER TO MEDICAL CENTER DIVISION
                FILE (#40.8) (Required) (audited)

HBPC PARENT SITE
INPUT TRANSFORM: S DIC("S")="I $D(^HBHC(631.9,1,1,""B"",+Y))"
                D ^DIC K DIC S DIC=DIE,X=+Y K:Y<0 X

LAST EDITED:    JUN 21, 2021
HELP-PROMPT:    Please select the HBPC Program Facility
                associated to the patient's care.

DESCRIPTION:    The Parent Site prompt provides selection of
                the HBPC Program Facility which has been
                defined in the local HBHC SITE PARAMETERS
                (#631.9) file. If only one site has been
                defined as a parent site, that site will
                default into this prompt for selection.
                Otherwise, users will be required to select
                The HBPC Program Facility associated to the

```


patient's care.

The selected site's code will be used for AITC record transmissions for this patient.

If you are not locating the appropriate HBPC Program Site for selection, please contact Your HBPC Program Manager for assistance.

TECHNICAL DESCR: Entries in this field must be predefined in The PARENT SITE (#9) multiple field of the HBHC SYSTEM PARAMETERS (#631.9) file.

SCREEN: S DIC("S")="I \$D(^HBHC(631.9,1,1,""B"",+Y))"
AUDIT: YES, ALWAYS
NOTES: XXXX--CAN'T BE ALTERED EXCEPT BY PROGRAMMER

PARENT SITE (#35) field in the HBHC MEDICAL FOSTER HOME (#633.2) file

633.2,35 PARENT SITE 13;1 POINTER TO MEDICAL CENTER DIVISION
FILE (#40.8) (Required) (audited)

INPUT TRANSFORM: S DIC("S")="I \$D(^HBHC(631.9,1,1,""B"",+Y))"
D ^DIC K DIC S DIC=DIE,X=+Y K:Y<0 X

LAST EDITED: JUN 02, 2021

HELP-PROMPT: Select the HBPC Program Facility associated to this Medical Foster Home.

DESCRIPTION: The Parent Site prompt provides selection of the HBPC Program Facility which has been defined in the local HBHC SITE PARAMETERS (#631.9) file. If only one site has been defined as a parent site, that site will default into this prompt for selection. Otherwise, users will be required to select The HBPC Program Facility associated to the Medical Foster Home.

The selected site's code will be used for AITC record transmissions for this Medical Foster Home and for patients in this Medical Foster Home.

If you are not locating the appropriate HBPC Program Site for selection, please contact Your HBPC Program Manager for assistance.

TECHNICAL DESCR: Entries in this field must be predefined in The PARENT SITE (#9) multiple field of the HBHC SYSTEM PARAMETERS (#631.9) file.

SCREEN: I \$D(^HBHC(631.9,1,1,"B",+Y))
EXPLANATION: Entry must be pre-defined as a parent site in the HBHC SYSTEM PARAMETERS (#631.9) file.
AUDIT: YES, ALWAYS
NOTES: XXXX--CAN'T BE ALTERED EXCEPT BY PROGRAMMER

Options

NAME: HBHC EDIT PROVIDER (631.4) MENU TEXT: Provider File Data Entry
TYPE: action CREATOR: REDACTED
E ACTION PRESENT: YES X ACTION PRESENT: YES
DESCRIPTION: This option allows entering/editing of the provider data in the HBHC PROVIDER (#631.4) file.

EXIT ACTION: D EXITOPT^HBHCPROV ENTRY ACTION: D EN^HBHCPROV
TIMESTAMP: 55795,36640
UPPERCASE MENU TEXT: PROVIDER FILE DATA ENTRY

NAME: HBHC EDIT SYSTEM PARAMETERS MENU TEXT: System Parameters Edit
TYPE: run routine CREATOR: REDACTED
DESCRIPTION: This option allows entering/editing of the system parameters
In the HBHC SYSTEM PARAMETERS (#631.9) file.

The following fields may be edited: NUMBER OF VISIT DAYS TO SCAN (#3),
TRANSMIT REPORT PRINTER (#6), and PARENT SITE (#9).

All other fields are uneditable.

ROUTINE: HBHCEDSP TIMESTAMP: 55523,32584
TIMESTAMP OF PRIMARY MENU: 59114,54812
UPPERCASE MENU TEXT: SYSTEM PARAMETERS EDIT

Protocols

NAME: HBHC ADD NEW PROVIDER ITEM TEXT: Define New HBPC Provider
TYPE: action CREATOR: REDACTED
PACKAGE: HOSPITAL BASED HOME CARE
DESCRIPTION: This protocol is used to define a new HBHC Provider for the
HBHC PROVIDER (#631.4) file.
SYNONYM: DF
SYNONYM: AD
COLUMN WIDTH: 25 MNEMONIC WIDTH: 3
IDENTIFIER: AD EXIT ACTION: S VALMBCK="R"
ENTRY ACTION: D ADD^HBHCPROV TIMESTAMP: 65853,60707

NAME: HBHC DETAIL DISPLAY ITEM TEXT: Detailed Display
TYPE: action CREATOR: REDACTED
PACKAGE: HOSPITAL BASED HOME CARE
DESCRIPTION: This protocol displays detailed information from the NEW
PERSON (#200) file or the HBHC PROVIDER (#631.4) file for a user selection.
ENTRY ACTION: D DD^HBHCPROV TIMESTAMP: 65853,60819

NAME: HBHC DISPLAY ALL PROVIDER FILE 631.4
ITEM TEXT: Display All HBPC Provider Entries
TYPE: action CREATOR: REDACTED
PACKAGE: HOSPITAL BASED HOME CARE
DESCRIPTION: This protocol displays all entries in the HBHC PROVIDER
(#631.4) file.
ENTRY ACTION: S HBHCNP=0 D ALLPROV^HBHCPROV
TIMESTAMP: 65853,60830

NAME: HBHC DISPLAY NEW PERSON(S) ITEM TEXT: Display New Person Entries
TYPE: action CREATOR: REDACTED
PACKAGE: HOSPITAL BASED HOME CARE
DESCRIPTION: This protocol is used to display entries from the NEW PERSON
(#200) file.
ENTRY ACTION: S HBHCNP=1 D EN2^HBHCPROV
TIMESTAMP: 65791,45163

NAME: HBHC DISPLAY PROVIDER FILE 631.4 ITEM TEXT: Display HBPC Provider Entries
TYPE: action CREATOR: REDACTED
PACKAGE: HOSPITAL BASED HOME CARE
DESCRIPTION: This protocol displays entries in the HBHC PROVIDER (#631.4)
file based on user input.

ENTRY ACTION: S (HBHCNP,HBHCIENX)=0 D EN2^HBHCPROV
TIMESTAMP: 65853,60870

NAME: HBHC EDIT PROVIDER FILE 631.4 ITEM TEXT: Edit HBPC Provider File Entry
TYPE: action CREATOR: REDACTED
PACKAGE: HOSPITAL BASED HOME CARE
DESCRIPTION: This protocol will allow for editing a current entry in the
HBHC PROVIDER (#631.4) file.
SYNONYM: ED
IDENTIFIER: ED ENTRY ACTION: D EDIT^HBHCPROV
TIMESTAMP: 65853,60879

NAME: HBHC EDIT PROVIDER MENU
ITEM TEXT: HBPC Edit Provider - File #631.4
TYPE: menu CREATOR: REDACTED
PACKAGE: HOSPITAL BASED HOME CARE
DESCRIPTION: This protocol allows for entering/editing data in the HBHC
PROVIDER (#631.4) file.
SYNONYM: EP
COLUMN WIDTH: 40 MNEMONIC WIDTH: 4
ITEM: HBHC EDIT PROVIDER FILE 631.4 MNEMONIC: ED
SEQUENCE: 5 DISPLAY NAME: Edit HBPC Provider File
ITEM: HBHC DISPLAY NEW PERSON(S) MNEMONIC: NP
SEQUENCE: 1 DISPLAY NAME: Display New Person Entries
ITEM: HBHC ADD NEW PROVIDER MNEMONIC: AD
SEQUENCE: 4 DISPLAY NAME: Add New HBPC Provider
ITEM: HBHC DISPLAY PROVIDER FILE 631.4 MNEMONIC: HP
SEQUENCE: 2 DISPLAY NAME: Display HBPC Provider(s)
ITEM: HBHC DISPLAY ALL PROVIDER FILE 631.4
MNEMONIC: ALL SEQUENCE: 3
DISPLAY NAME: Display All HBPC Providers
ITEM: HBHC DETAIL DISPLAY MNEMONIC: DD
SEQUENCE: 6 DISPLAY NAME: Detailed Display
ITEM: HBHC PRINT SELECTION MNEMONIC: PR
SEQUENCE: 7 DISPLAY NAME: Print Display
SCREEN: I 1 X:\$D(^ORD(101,+SP(^ORD(101,DA(1),10,DA(0),U),24)) ^ (24)
HEADER: D SHOW^VALM TIMESTAMP: 65853,61069

NAME: HBHC PRINT SELECTION ITEM TEXT: Print the Display
TYPE: action CREATOR: REDACTED
PACKAGE: HOSPITAL BASED HOME CARE
DESCRIPTION: This protocol prints the display. TO DO: enhance description
and name of this protocol.
ENTRY ACTION: D PRINT^HBHCPROV TIMESTAMP: 65796,64403

List Template

NAME: HBHC EDIT PROVIDER TYPE OF LIST: PROTOCOL
LEFT MARGIN: 1 RIGHT MARGIN: 80
TOP MARGIN: 5 BOTTOM MARGIN: 18
OK TO TRANSPORT?: OK USE CURSOR CONTROL: YES
PROTOCOL MENU: HBHC EDIT PROVIDER MENU
SCREEN TITLE: HBPC EDIT PROVIDER ALLOWABLE NUMBER OF ACTIONS: 1
AUTOMATIC DEFAULTS: YES HIDDEN ACTION MENU: VALM HIDDEN ACTIONS
ARRAY NAME: ^TMP("HBHCLIST",\$J)
ITEM NAME: HEADER COLUMN: 2
WIDTH: 75
EXIT CODE: D EXIT^HBHCPROV
HEADER CODE: D:\$G(HBHCNP) HDR2^HBHCPROV D:\$G(HBHCNP) HDR^HBHCPROV
HELP CODE: D HELP^HBHCPROV ENTRY CODE: D INIT^HBHCPROV

4.9.2 Client Verification

Not applicable for HBH*1.0*32.

4.10 System Configuration

Not applicable for HBH*1.0*32.

4.11 Database Tuning

Not applicable for HBH*1.0*32.

5 Back-Out Procedure

5.1 Back-Out Strategy

The only reason to consider a back-out of HBH*1.0*32 is in the event of a catastrophic failure. HBH*1.0*32 changes are independent of the VistA changes and of each other. In the case of a catastrophic failure of HBH*1.0*32, the VistA Patch can remain in the system.

Contact the Health Product Support Tier 3 Clinical Sustainment Team by submitting a Service Now ticket to NTL SUP CLIN3 requesting back-out assistance due to a catastrophic failure with HBH*1.0*32.

5.2 Back-Out Considerations

5.2.1 Load Testing

No load testing was necessary for HBH*1.0*32.

5.2.2 User Acceptance Testing

User acceptance testing was conducted by the test sites listed in section **3.2.2**. The sites followed the provided test plan/concurrence form and executed the test cases according to the plan for the first build of HBH*1.0*32. The sites either passed or failed any item based on testing. The tests were performed by IT analysts at each site who are familiar with using the application. Any items that failed were then re-developed, sent back to the sites, and tested for the next build following the same process.

5.3 Back-Out Criteria

Back-out would only be considered if there was a catastrophic failure that causes loss of function for the application or a significant patient impact issue.

5.4 Back-Out Risks

Backing out HBH*1.0*32 would result in the re-instatement of the issues addressed in HBH*1.0*32.

5.5 Authority for Back-Out

The facility Chief Information Officer has the final authority to require the rollback and accept the associated risks

5.6 Back-Out Procedure

5.6.1 KIDS Back-Out

Administrators will need to use the PackMan function INSTALL/CHECK MESSAGE. Check MailMan messages for the backup message sent by the Backup a Transport Global function executed prior to the patch install. (See section [4.8.1](#), Step 1B; this must be done before the patch is installed).

Summary

1. In VistA MailMan, select the message shown below:
 - A. Backup of HBH*1.0*32 install on <mm, dd, yyyy> <user name>
2. Select the Xtract PackMan option.
3. Select the Install/Check Message option.
4. Enter Yes at the prompt.
5. Enter No at the backup prompt. There is no need to back up the backup.

Detail

```
Backup Message

Subj: Backup of HBH*1.0*32 on Jun 21, 2021. Build  [#181727] 06/21/21@16:16
5821 lines
From: REDACTED In 'IN' basket. Page 1
-----
$TXT Created by REDACTED at REDACTED (KIDS) on Monday, 06/21/21 at 16:16

Warning: Installing this backup patch message will install older versions
of routines and Build Components (options, protocols, templates, etc.).
Please verify with the Development Team that it is safe to install.

$END TXT
$KID HBH*1.0*32b
**INSTALL NAME**
HBH*1.0*32b
"BLD",11782,0)
HBH*1.0*32b^HOSPITAL BASED HOME CARE^0^3210621^n
"BLD",11782,1,0)
^^5^5^3210621
"BLD",11782,1,1,0)
Backup of HBH*1.0*32 on Jun 21, 2021
"BLD",11782,1,2,0)

Type <Enter> to continue or '^' to exit: ^

Enter message action (in IN basket): Ignore// Xtract KIDS
Select PackMan function: 6 INSTALL/CHECK MESSAGE

Line 8 Message #181727 Unloading KIDS Distribution HBH*1.0*32b
Build HBH*1.0*32b has been loaded before, here is when:
      HBH*1.0*32b Install Completed
                  was loaded on Jun 18, 2021@13:57:12
OK to continue with Load? NO// YES
```

```

Want to Continue with Load? YES//
Loading Distribution...

    HBH*1.0*32b

Select PackMan function:

Enter message action (in IN basket): Ignore//

Install from Backup Message

Select Installation <TEST ACCOUNT> Option: Install Package(s)
Select INSTALL NAME: HBH*1.0*32b      6/21/21@16:20:55
    => Backup of HBH*1.0*32 on Jun 21, 2021. Build

This Distribution was loaded on Jun 21, 2021@16:20:55 with header of
    Backup of HBH*1.0*32 on Jun 21, 2021. Build
    It consisted of the following Install(s):
        HBH*1.0*32b
Checking Install for Package HBH*1.0*32b

Install Questions for HBH*1.0*32b

Incoming Files:

    631      HBHC PATIENT
Note:  You already have the 'HBHC PATIENT' File.

    631.4    HBHC PROVIDER
Note:  You already have the 'HBHC PROVIDER' File.

    631.9    HBHC SYSTEM PARAMETERS
Note:  You already have the 'HBHC SYSTEM PARAMETERS' File.

    633.2    HBHC MEDICAL FOSTER HOME
Note:  You already have the 'HBHC MEDICAL FOSTER HOME' File.

Want KIDS to Rebuild Menu Trees Upon Completion of Install? NO//

Want KIDS to INHIBIT LOGONS during the install? NO//
Want to DISABLE Scheduled Options, Menu Options, and Protocols? NO//

Enter the Device you want to print the Install messages.
You can queue the install by enter a 'Q' at the device prompt.
Enter a '^' to abort the install.

DEVICE: HOME//    HOME    (CRT)

                                HBH*1.0*32b
////////////////////////////////////

Installing PACKAGE COMPONENTS:

Installing PROTOCOL

Installing LIST TEMPLATE

Installing OPTION

```

Updating Routine file...

Updating KIDS files...

HBH*1.0*32b Installed.

Jun 21, 2021@16:22:03

NO Install Message sent

Category	Variable	T	G	Complete (%)	Incomplete (%)
Complete	R	25	50	100	0
		75	100	100	0
Incomplete	F	25	50	0	100
		75	100	0	100

```
Install Completed
```

This backup install does not delete the parent site fields from the HBHC EDIT SYSTEM PARAMETER (#631.9) file, the HBHC PATIENT (#631) file, and the HBHC MEDICAL FOSTER HOME (#633.2) file. Those deletions must be done manually by following instructions in the "Parent Site Field Deletions" section of this document.

If a "HBH*1.0*32b" backup message is not available, the following steps may be followed to manually back out the patch.

Routines

Restore the following routines from the "routines only" backup message which was specified before patch install.

- HBHCADM
- HBHCDEM
- HBHCEDSP
- HBHCFILE
- HBHCRP2
- HBHCRP5
- HBHCRXMT
- HBHCUTL1
- HBHCXMA
- HBHCXMD
- HBHCXMM
- HBHCXMT
- HBHCXMV

Data Dictionary

```
Restore the Data Dictionary for the HBHC PROVIDER (#631.4) file.
```

Option

Restore the option "Provider File Data Entry".

VA FileMan 22.2

```
Select OPTION: 1  ENTER OR EDIT FILE ENTRIES
```

```
Input to what File: OPTION//          (13535 entries)
EDIT WHICH FIELD: ALL//
```

```
Select OPTION NAME: HBHC EDIT PROVIDER (631.4)      Provider File Data Entry
NAME: HBHC EDIT PROVIDER (631.4)  Replace
```



```

MENU TEXT: Provider File Data Entry  Replace
OUT OF ORDER MESSAGE:
LOCK:
REVERSE/NEGATIVE LOCK:
DESCRIPTION:
    1>This option allows entering/editing of the provider data in the
    2>HBHC PROVIDER (#631.4) file.
EDIT Option:
HELP FRAME:
PRIORITY:
PROHIBITED TIMES:
Select TIMES PROHIBITED:
Select TIME PERIOD:
RESTRICT DEVICES?:
Select PERMITTED DEVICE:
TYPE: action// EDIT  edit
Select ITEM:
Short Menu Text:
DISPLAY OPTION?:
PACKAGE:
DELEGABLE:
EXIT ACTION: D EXITOPT^HBHCPROV// @
    SURE YOU WANT TO DELETE? Y  (Yes)
ENTRY ACTION: D EN^HBHCPROV// @
    SURE YOU WANT TO DELETE? Y  (Yes)
XQUIT MESSAGE:
    1>
XQUIT EXECUTABLE:
ROUTINE:
HEADER:
DIC {DIC}: HBHC(631.4,
DIC(0): AEMQL
DIC(A):
DIC(B):
DIC(S):
DIC(W):
D.:
DR{DDS}:
DDSFILE:
DDSFILE(1):
DDSPAGE:
DDSPARM:
DIE: HBHC(631.4,
DR {DIE}: [HBHC EDIT PROVIDER (631.4)]
*DR():
NO UP-ARROW:
*DIE(W):
DIC {DIP}:
PG:
L.:
FLDS:
BY:
FR:
TO:
DHD:
DCOPIES:
DIS(0):
DIS(1):
DIS(2):
DIS(3):
IOP:
DHIT:
DIOBEG:

```

```

DIOEND:
DISUPNO:
DIPCRIT:
DIASKHD:
DISTEMP:
DIC {DIQ}:
DR {DIQ}:
DIQ(0):
SUPPRESS DEVICE PROMPT:
*ORDER PRINT ACTION:
*ORDER CANCEL ACTION:
*ORDER PURGE ACTION:
INDEPENDENTLY INVOCABLE:
*QUEUED TO RUN AT WHAT TIME:
*DEVICE FOR QUEUED JOB OUTPUT:
*RESCHEDULING FREQUENCY:
*QUEUED TO RUN ON VOLUME SET:
SCHEDULING RECOMMENDED:
KEEP FROM DELETING:
SERVER BULLETIN:
SERVER ACTION:
SERVER MAIL GROUP:
SERVER AUDIT:
SUPPRESS BULLETIN:
SERVER REPLY:
SAVE REQUEST:
SERVER DEVICE:
ZTSK RETENTION DAYS:
ICON:
TITLE:
Select RPC:
PRIMARY MENU:
PROTECTED VARIABLES:
*SPECIAL QUEUEING:
Select SYNONYM:

```

After the above edits, the option should display as:

```

NAME: HBHC EDIT PROVIDER (631.4)          MENU TEXT: Provider File Data Entry
TYPE: edit                               CREATOR: REDACTED
DESCRIPTION: This option allows entering/editing of the provider data in the HBHC
Provider File (HBHC(631.4)).
DIC {DIC}: HBHC(631.4,                    DIC(0): AEMQL
DIE: HBHC(631.4,                          DR {DIE}: [HBHC EDIT PROVIDER (631.4)]
TIMESTAMP: 55795,36640
UPPERCASE MENU TEXT: PROVIDER FILE DATA ENTRY

```

Optional Steps

Parent Site Field Deletions

Delete parent site field from data dictionaries.

HBHC SYSTEM PARAMETERS (#631.9) file

VA FileMan 22.2

```

Select OPTION: 4  MODIFY FILE ATTRIBUTES
Do you want to use the screen-mode version? YES//

```

```

Modify what File: HBHC SYSTEM PARAMETERS//      (1 entry)

Select FIELD: PARENT SITE      (multiple)
      Multiple Field #9 in File #631.9

Enter "@" at "PARENT SITE":

MULTIPLE-FIELD LABEL: PARENT SITE
      READ ACCESS:
      WRITE ACCESS:
      SOURCE:
DESCRIPTION...      TECHNICAL DESCRIPTION...

MULTIPLE-R, ////////////////////////////////////////////////////////////////////T
. *****
W. ARE YOU SURE YOU WANT TO DELETE THE ENTIRE FIELD: Y      .
. *****
DESCRIPTF, ////////////////////////////////////////////////////////////////////G

...

OK TO DELETE 'PARENT SITE' FIELDS IN THE EXISTING ENTRIES? Yes//

HBHC PATIENT (#631) file

VA FileMan 22.2

Select OPTION: 4  MODIFY FILE ATTRIBUTES
Do you want to use the screen-mode version? YES//
  POINTER TO A FILE

Modify what File: HBHC PATIENT//      (361 entries)
Select FIELD: PARENT SITE
Enter "@" at "PARENT SITE":

      Field #91 in File #631
FIELD LABEL: PARENT SITE      DATA TYPE... POINTER TO A FILE

      Field #91 in File #631
FIELD LABEL:      DATA TYPE... POINTER TO A FILE
      R, ////////////////////////////////////////////////////////////////////T
      . *****
      . ARE YOU SURE YOU WANT TO DELETE THE ENTIRE FIELD: Y      .
AUDIT CON. *****
      READ F, ////////////////////////////////////////////////////////////////////G

...

OK TO DELETE 'PARENT SITE' FIELDS IN THE EXISTING ENTRIES? Yes//

HBHC MEDICAL FOSTER HOME (#633.2) file

VA FileMan 22.2

```

```

Select OPTION: 4  MODIFY FILE ATTRIBUTES
Do you want to use the screen-mode version? YES//

Modify what File: HBHC MEDICAL FOSTER HOME//    (7 entries)

Select FIELD: PARENT

Enter "@" at "PARENT SITE":

                                Field #35 in File #633.2
FIELD LABEL: PARENT SITE                                DATA TYPE... POINTER TO A FILE

                                Field #35 in File #633.2
FIELD LABEL:                                DATA TYPE... POINTER TO A FILE
R, ////////////////////////////////////////////////////////////////////T
. *****
. ARE YOU SURE YOU WANT TO DELETE THE ENTIRE FIELD: Y      .
AUDIT CON. *****
      READ F, ////////////////////////////////////////////////////////////////////G

...

OK TO DELETE 'PARENT SITE' FIELDS IN THE EXISTING ENTRIES? Yes//
HBHC Edit System Parameters option

Change the description to original text.

NAME: HBHC EDIT SYSTEM PARAMETERS      MENU TEXT: System Parameters Edit
      TYPE: run routine                  CREATOR: REDACTED
      DESCRIPTION: This option allows entering/editing of the system parameters in the
HBHC System Parameters file (631.9).

The parameter Number of Visit Days to Scan is used by the system as a starting point
of how many days to include when records are being created in the HBHC Visit File
(HBHC(632)) using the appointment data entered via the Appointment Management [HBHC
APPOINTMENT] option. This parameter must be a number between 7 and 365 inclusive, but
as a rule, the lowest number that accurately reflects the appointment data timeliness
should be entered (e.g. if appointments are entered daily, then 7 would be
appropriate).

All other System Parameter fields are uneditable.
ROUTINE: HBHCEDSP                        TIMESTAMP: 55523,32584
TIMESTAMP OF PRIMARY MENU: 59114,54812
UPPERCASE MENU TEXT: SYSTEM PARAMETERS EDIT

Delete Components

List Template

VA FileMan 22.2

Select OPTION: 1  ENTER OR EDIT FILE ENTRIES

Input to what File: HBHC MEDICAL FOSTER HOME// LIST TEMPLATE
                                (745 entries)
EDIT WHICH FIELD: ALL//

Select LIST TEMPLATE NAME: HBHC EDIT PROVIDER
NAME: HBHC EDIT PROVIDER// @
      SURE YOU WANT TO DELETE THE ENTIRE 'HBHC EDIT PROVIDER' LIST TEMPLATE? Y

```

(Yes)

Protocols

VA FileMan 22.2

Select OPTION: 1 ENTER OR EDIT FILE ENTRIES

Input to what File: LIST TEMPLATE// PROTOCOL (6892 entries)
EDIT WHICH FIELD: ALL//

Select PROTOCOL NAME: HBHC ADD NEW PROVIDER Define New HBPC Provider AD
NAME: HBHC ADD NEW PROVIDER Replace ... With Replace

SURE YOU WANT TO DELETE THE ENTIRE 'HBHC ADD NEW PROVIDER' PROTOCOL? Y (Yes)
SINCE THE DELETED ENTRY MAY HAVE BEEN 'POINTED TO'
BY ENTRIES IN THE 'AUDIT' FILE, ETC.,
DO YOU WANT THOSE POINTERS UPDATED (WHICH COULD TAKE QUITE A WHILE)? No//
(No)

Select PROTOCOL NAME: HBHC DETAIL DISPLAY Detailed Display
NAME: HBHC DETAIL DISPLAY// @

SURE YOU WANT TO DELETE THE ENTIRE 'HBHC DETAIL DISPLAY' PROTOCOL? Y (Yes)
SINCE THE DELETED ENTRY MAY HAVE BEEN 'POINTED TO'
BY ENTRIES IN THE 'AUDIT' FILE, ETC.,
DO YOU WANT THOSE POINTERS UPDATED (WHICH COULD TAKE QUITE A WHILE)? No// N
(No)

Select PROTOCOL NAME: HBHC DISPLAY ALL PROVIDER FILE 631.4 Display All HBPC
Provider Entries
NAME: HBHC DISPLAY ALL PROVIDER FILE 631.4 Replace ... With
Replace

SURE YOU WANT TO DELETE THE ENTIRE 'HBHC DISPLAY ALL PROVIDER FILE 631.4' PROTOCOL?
Y (Yes)
SINCE THE DELETED ENTRY MAY HAVE BEEN 'POINTED TO'
BY ENTRIES IN THE 'AUDIT' FILE, ETC.,
DO YOU WANT THOSE POINTERS UPDATED (WHICH COULD TAKE QUITE A WHILE)? No//
(No)

Select PROTOCOL NAME: HBHC DISPLAY NEW PERSON(S) Display New Person Entries
NAME: HBHC DISPLAY NEW PERSON(S) Replace ... With
Replace

SURE YOU WANT TO DELETE THE ENTIRE 'HBHC DISPLAY NEW PERSON(S)' PROTOCOL? Y (Yes)
SINCE THE DELETED ENTRY MAY HAVE BEEN 'POINTED TO'
BY ENTRIES IN THE 'AUDIT' FILE, ETC.,
DO YOU WANT THOSE POINTERS UPDATED (WHICH COULD TAKE QUITE A WHILE)? No//
(No)

Select PROTOCOL NAME: HBHC DISPLAY PROVIDER FILE 631.4 Display HBPC Provider
Entries
NAME: HBHC DISPLAY PROVIDER FILE 631.4 Replace ... With
Replace

SURE YOU WANT TO DELETE THE ENTIRE 'HBHC DISPLAY PROVIDER FILE 631.4' PROTOCOL? Y
(Yes)
SINCE THE DELETED ENTRY MAY HAVE BEEN 'POINTED TO'
BY ENTRIES IN THE 'AUDIT' FILE, ETC.,
DO YOU WANT THOSE POINTERS UPDATED (WHICH COULD TAKE QUITE A WHILE)? No//
(No)

```

Select PROTOCOL NAME: HBHC EDIT PROVIDER FILE 631.4      Edit HBPC Provider File
Entry      ED
NAME: HBHC EDIT PROVIDER FILE 631.4  Replace ... With
      Replace

      SURE YOU WANT TO DELETE THE ENTIRE 'HBHC EDIT PROVIDER FILE 631.4' PROTOCOL? Y
(Yes)
SINCE THE DELETED ENTRY MAY HAVE BEEN 'POINTED TO'
BY ENTRIES IN THE 'AUDIT' FILE, ETC.,
DO YOU WANT THOSE POINTERS UPDATED (WHICH COULD TAKE QUITE A WHILE)? No//
(No)

Select PROTOCOL NAME: HBHC EDIT PROVIDER MENU      HBPC Edit Provider - File #631.4
NAME: HBHC EDIT PROVIDER MENU  Replace ... With      Replace

      SURE YOU WANT TO DELETE THE ENTIRE 'HBHC EDIT PROVIDER MENU' PROTOCOL? Y
(Yes)
SINCE THE DELETED ENTRY MAY HAVE BEEN 'POINTED TO'
BY ENTRIES IN THE 'AUDIT' FILE, ETC.,
DO YOU WANT THOSE POINTERS UPDATED (WHICH COULD TAKE QUITE A WHILE)? No//
(No)

Select PROTOCOL NAME: HBHC PRINT SELECTION      Print the Display
NAME: HBHC PRINT SELECTION  Replace ... With      Replace

      SURE YOU WANT TO DELETE THE ENTIRE 'HBHC PRINT SELECTION' PROTOCOL? Y  (Yes)
SINCE THE DELETED ENTRY MAY HAVE BEEN 'POINTED TO'
BY ENTRIES IN THE 'AUDIT' FILE, ETC.,
DO YOU WANT THOSE POINTERS UPDATED (WHICH COULD TAKE QUITE A WHILE)? Nos//
(No)

```

5.6.2 Client Back-Out

Not applicable for HBH*1.0*32.

5.7 Back-out Verification Procedure

Routines

Verify that routine checksums are listing at the "before" values of the patch description.

Options

Verify that the option descriptions appear as shown below.

```

NAME: HBHC EDIT SYSTEM PARAMETERS      MENU TEXT: System Parameters Edit
      TYPE: run routine                  CREATOR: REDACTED
DESCRIPTION:  This option allows entering/editing of the system parameters
In the HBHC System Parameters file (631.9).

```

The parameter Number of Visit Days to Scan is used by the system as a starting point of how many days to include when records are being created in the HBHC Visit File (HBHC(632)) using the appointment data entered via the Appointment Management [HBHC APPOINTMENT] option. This parameter must be a number between 7 and 365 inclusive, but as a rule, the lowest number that accurately reflects the appointment data timeliness should be entered (e.g. if appointments are entered daily, then 7 would be appropriate).

All other System Parameter fields are uneditable.

```
NAME: HBHC EDIT PROVIDER (631.4)      MENU TEXT: Provider File Data Entry
TYPE: edit                            CREATOR: REDACTED
DESCRIPTION: This option allows entering/editing of the provider data in
The HBHC Provider File (HBHC(631.4)).
DIC {DIC}: HBHC(631.4,                DIC(0): AEMQL
DIE: HBHC(631.4,                       DR {DIE}: [HBHC EDIT PROVIDER (631.4)]
TIMESTAMP: 55795,36640
UPPERCASE MENU TEXT: PROVIDER FILE DATA ENTRY
```

Fields should list as shown below.

		1)= S ^HBHC (631.4,"B",\$E(X,1,30),DA)="" 2)= K ^HBHC (631.4,"B",\$E(X,1,30),DA) This cross-reference represents regular 'B' file index of HBHC Provider (631.4) file, Number (.01) field.
631.4,1	PROVIDER NAME LAST EDITED: HELP-PROMPT: DESCRIPTION: CROSS-REFERENCE:	0;2 POINTER TO NEW PERSON FILE (#200) (Required) DEC 18, 1992 Answer with provider name that exists in New Person (200) file. This field represents HBHC provider's name in New Person (200) file. Person must exist in VA(200) for HBHC selection, since LAYGO is not allowed. 631.4^C 1)= S ^HBHC (631.4,"C",\$E(X,1,30),DA)="" 2)= K ^HBHC (631.4,"C",\$E(X,1,30),DA) This cross-reference represents regular 'C' file index of HBHC Provider (631.4) file, Name (1) field, which references New Person (200) file entries.
631.4,2	DEGREE INPUT TRANSFORM: LAST EDITED: HELP-PROMPT: DESCRIPTION:	0;3 FREE TEXT K:\$L(X)>15!(\$L(X)<1) X MAY 31, 1991 Answer with degree held by provider. Answer must be 1-15 characters in length. This field represents degree held by HBHC provider. Field allows 1-15 characters of free text.
631.4,3	GRADE/STEP INPUT TRANSFORM: LAST EDITED: HELP-PROMPT: DESCRIPTION:	0;4 FREE TEXT K:\$L(X)>6!(\$L(X)<3)!'(X?1.3E1"/"1.2N) X MAR 02, 1993 Answer with grade/step held by provider. Answer must be 3-6 characters in length and be in 99/99 or xxx/99 format. (e.g. 11/4 for grade 11, step 4, or SR/11 for Senior grade, step 11) This field represents grade/step of HBHC provider. Field must be in 99/99 or xxx/99 format (e.g. 11/4 for grade 11, step 4 or SR/11 for Senior grade, step 11). The format allows for 1-2 numerics or 1-3 alphabetic characters, 1 slash ('/'), and 1-2 numerics.
631.4,4	FTEE ON HBHC INPUT TRANSFORM: LAST EDITED: HELP-PROMPT: DESCRIPTION:	0;5 NUMBER K:+X'=X!(X>1)!(X<0)!(X?.E1"."3N.N) X DEC 11, 1992 Answer with a Number between 0 and 1, 2 Decimal Digits. This field represents FTEE charged to HBHC service, and must be between 0 and 1, with 2 decimal digits allowed. (e.g. '.5' or '1.0')

631.4,5	HBHC TEAM	0;6 POINTER TO HBHC TEAM FILE (#633) (Required)
	LAST EDITED:	MAY 23, 1997
	HELP-PROMPT:	Answer with team name that exists in HBHC Team file. Field is required.
	DESCRIPTION:	This field represents HBHC team name, referencing HBHC Team (633) file entries. Team must exist in HBHC Team file, since LAYGO is not allowed.
631.4,6	INACTIVE PROVIDER NUMBER	0;7 SET
		'1' FOR Inactive Provider Number;
	LAST EDITED:	APR 08, 1997
	HELP-PROMPT:	Answer with 1 digit numeric code representing whether HBHC Provider Number is Inactive. As of 10/1/96, each provider is allowed to have only 1 Active Provider Number. All others must be Inactive.
	DESCRIPTION:	This field represents whether HBHC Provider Number is active. As of 10/1/96, each HBHC Provider may have only 1 unique HBHC Provider Number active at any point in time. All other provider numbers must be Inactive Provider Numbers.
	CROSS-REFERENCE:	631.4^AC 1)= S ^HBHC (631.4,"AC",\$E(X,1,30),DA)="" 2)= K ^HBHC (631.4,"AC",\$E(X,1,30),DA) This cross-reference represents 'AC' file index of Inactive Provider Number (6) field, in HBHC Provider (631.4) file.
Parent Site Fields		
No fields for "PARENT SITE" should exist in the Data Dictionary for the HBHC SYSTEM PARAMETERS (#631.9) file, the HBHC PATIENT (#631) file, and the HBHC MEDICAL FOSTER HOME (#633.2) file.		
Protocols		
The following protocols should not exist on the system:		
<ul style="list-style-type: none"> • HBHC ADD NEW PROVIDER • HBHC DETAIL DISPLAY • HBHC DISPLAY ALL PROVIDER FILE 631.4 • HBHC DISPLAY NEW PERSON(S) • HBHC DISPLAY PROVIDER FILE 631.4 • HBHC EDIT PROVIDER FILE 631.4 • HBHC EDIT PROVIDER MENU • HBHC PRINT SELECTION 		
List Template		
The List Template "HBHC EDIT PROVIDER" should not exist on the system.		

6 Rollback Procedure

Not applicable for HBH*1.0*32.

6.1 Rollback Considerations

Not applicable for HBH*1.0*32.

6.2 Rollback Criteria

Not applicable for HBH*1.0*32.

6.3 Rollback Risks

Not applicable for HBH*1.0*32.

6.4 Authority for Rollback

Not applicable for HBH*1.0*32.

6.5 Rollback Procedure

Not applicable for HBH*1.0*32.

6.6 Rollback Verification Procedure

Not applicable for HBH*1.0*32.